



# Colloquium

## Neutron Stars: Where Gravitation Theory Meets Nuclear Physics

**Prof. Lee Lindblom**

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**Date: 2025/04/15(Tue)**

**Venue: S4-625**

**Time: 14:00-16:00**

Abstract :

Neutron stars are created by the gravitational collapse of massive stars that have exhausted their nuclear fuel. The bulk of the material in these stars is compressed to densities larger than those in the nuclei of normal atoms. Their gravitational fields become nearly as strong as those at the surfaces of black holes. This talk will explore how astronomical observations of these stars and an understanding of gravitational physics can be used to learn new things about nuclear physics.